A Big Earth Data Platform for Three Poles

**Chemical and isotope data of water samples in Badain Jaran desert (2012-2013)**

1、Description

The Land Surface Temperature in China STC dataset contains land surface temperature data for China (about 9.6 million square kilometers of land) during the period of 2003-2017, in Celsius, in monthly temporal and 5600 m spatial resolution.   
It is produced by combing MODIS daily data(MOD11C1 and MYD11C1), monthly data(MOD11C3 and MYD11C3) and meteorological station data to reconstruct real LST under cloud coverage in monthly LST images, and then a regression analysis model is constructed to further improve accuracy in six natural subregions with different climatic conditions.

2、Keywords

Theme：Stable isotopes,Water Quality/Water Chemistry  
Discipline：Terrestrial Surface  
Places：Heihe River Basin, Badain Jaran Desert  
Time：2013

3、Data details

1.Scale：None

2.Projection：4326

3.Filesize：0.09MB

4.Data format：EXCEL

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：41.0 | - |
| west：100.0 | - | east：104.0 |
| - | south：39.0 | - |

5、Time frame:2012-07-08 02:49:16+00:00--2014-07-08 02:49:16+00:00

6、Reference method

References to data:

HU Xiaonong. Chemical and isotope data of water samples in Badain Jaran desert (2012-2013). A Big Earth Data Platform for Three Poles, doi:10.11888/Hydro.tpdc.2708752014

References to articles:

王旭升, Wang Yang, 胡晓农, 欧阳波罗. 巴丹吉林沙漠水体化学和同位素检测数据(2012-2013). 北京：中国地质大学(北京), 2014.doi:10.3972/heihe.074.2014.db

7、Supporting project information

8、Data resource provider

name: HU Xiaonong  
unit:   
email: wxsh@cugb.edu.cn